

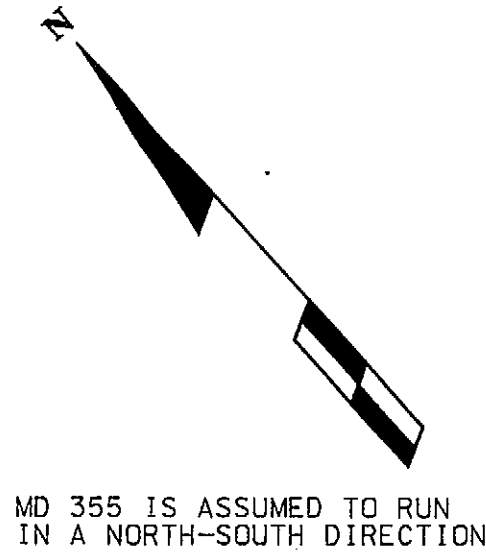
DRILL HOLES

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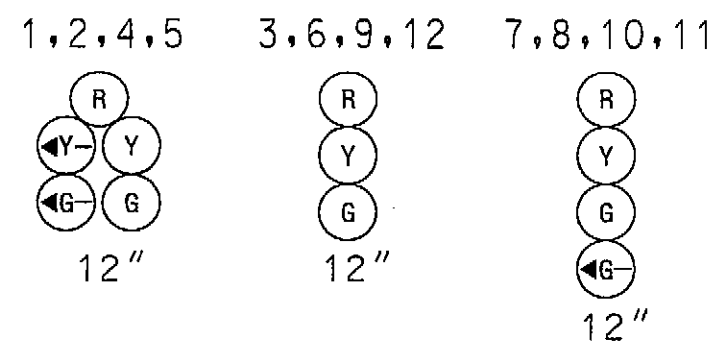
BORDER REV. DATE: June 1, 2004

BY: SUBMITTALS

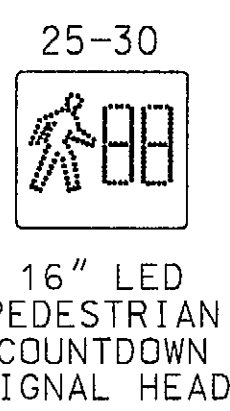


MD 355 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED LED SIGNAL HEADS



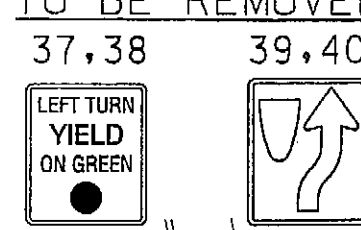
PROPOSED LED SIGNALS



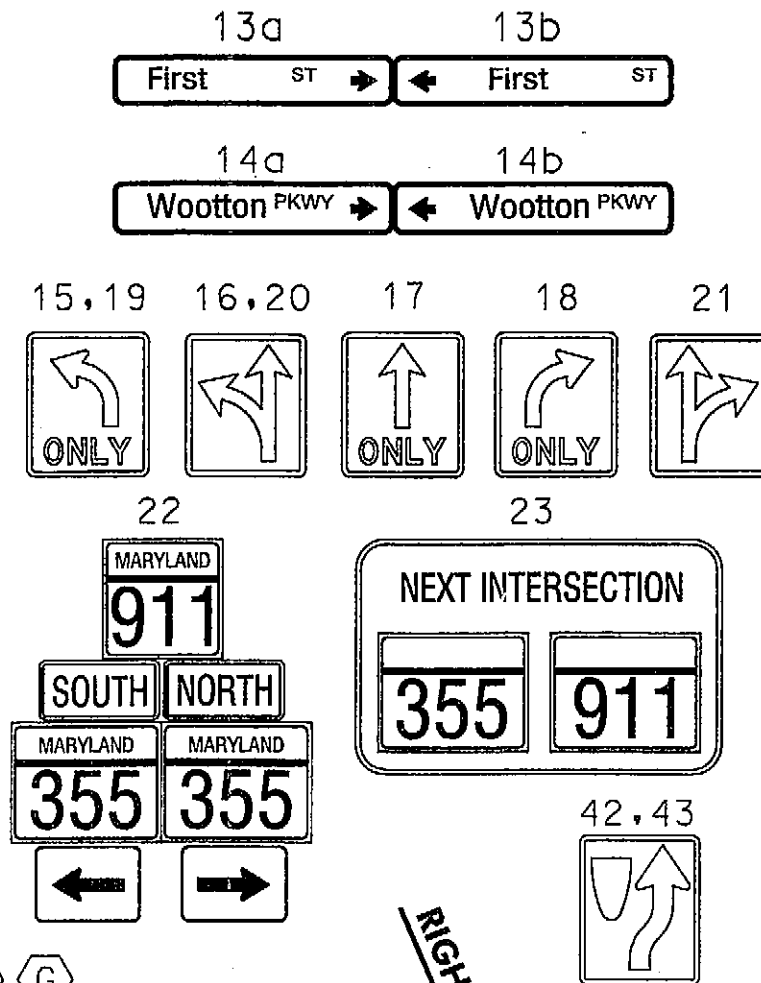
PROPOSED SIGNS



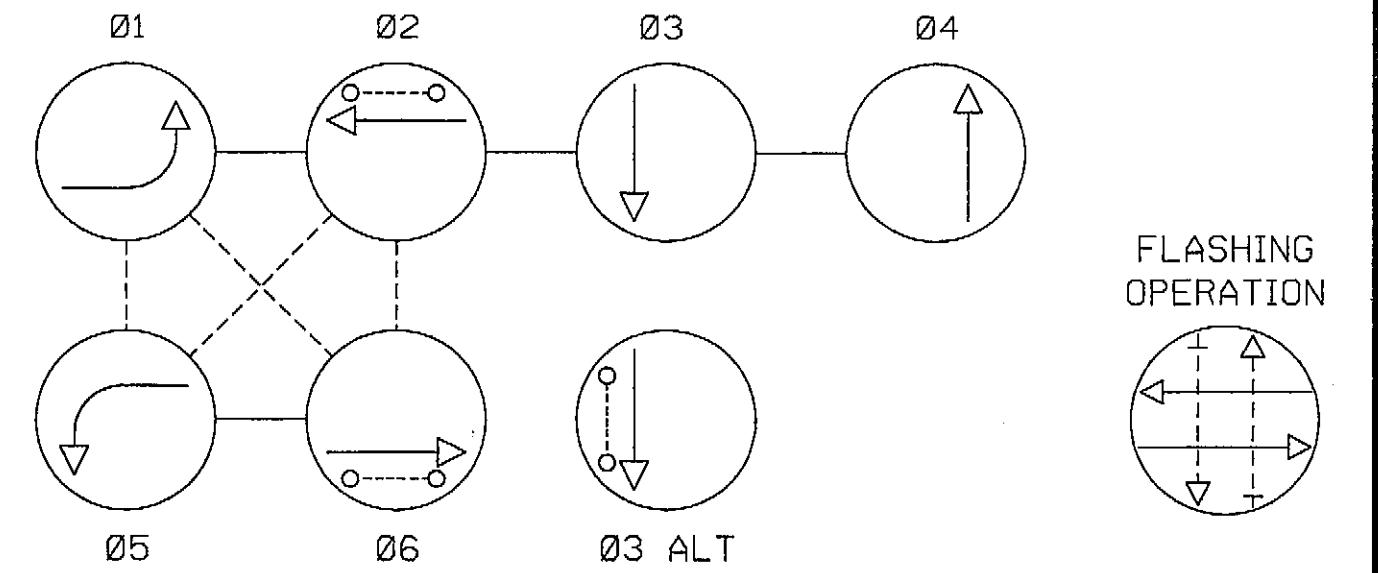
EXISTING SIGNS TO BE REMOVED



EXISTING SIGNS TO REMAIN

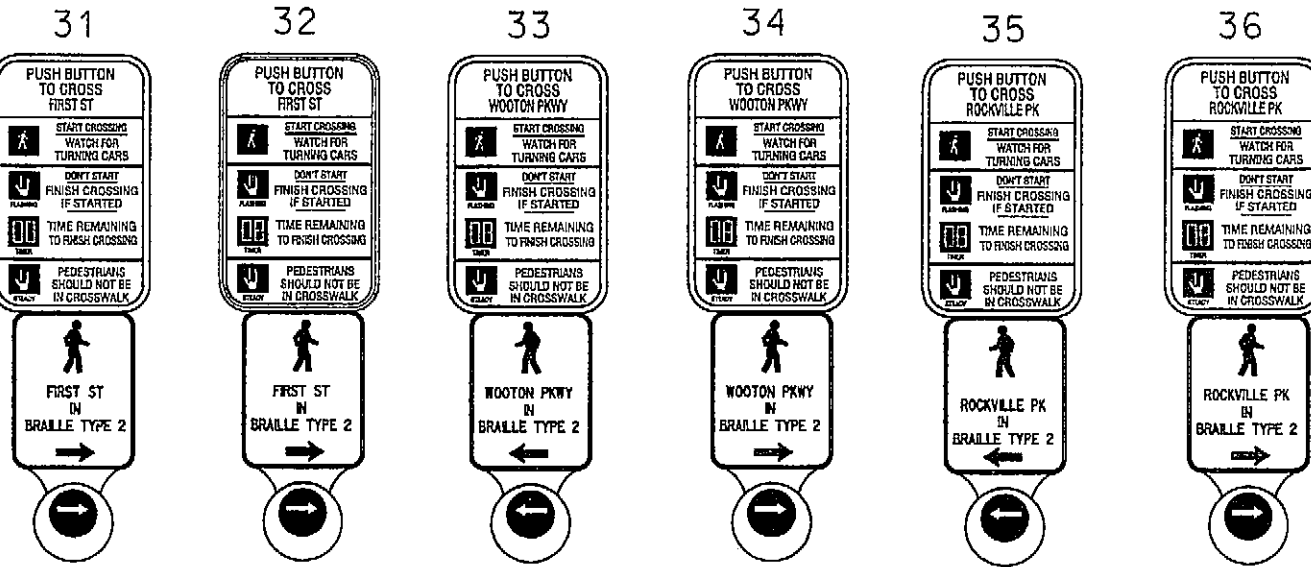


NEMA PHASING



NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

PROPOSED EQUIPMENT



R10-3(1)
9" x 15"

ACCESSIBLE PEDESTRIAN PUSHBUTTON AND SIGN

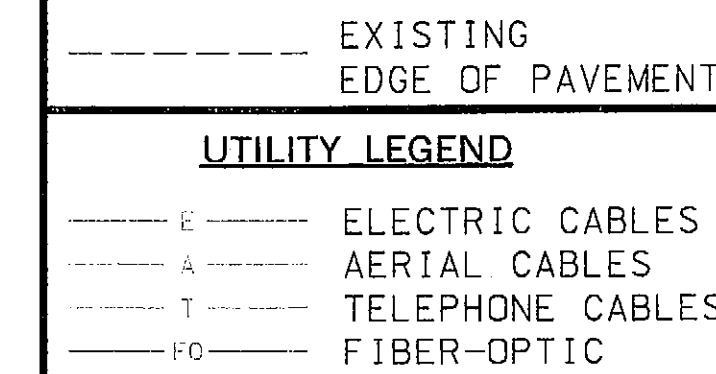
CONSTRUCTION DETAILS

- INSTALL VIDEO DETECTION CAMERA ON EXISTING MAST ARM.
- REMOVE EXISTING PUSHBUTTON, SIGN, AND PEDESTRIAN SIGNAL HEADS FROM EXISTING SIGNAL POLE. INSTALL LED COUNTDOWN PEDESTRIAN SIGNAL HEADS ON EXISTING SIGNAL POLE. REMOVE ALL EXISTING SIGNAL HEADS AND INSTALL PROPOSED LED SIGNAL HEADS IN THE SAME LOCATION USING EXISTING WIRING.
- INSTALL 18"x 36" CONCRETE FOUNDATION WITH 5 FT. BREAKAWAY PEDESTAL POLE WITH APS STATION AND PEDESTRIAN EDUCATION SIGN. (NOTE: 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- REMOVE R10-12 SIGN FROM MAST ARM.
- INSTALL ADA CURB RAMP IN ACCORDANCE WITH SHA STANDARD NO. MD 655.11 AND DETECTABLE WARNING SURFACE IN ACCORDANCE WITH SHA STANDARD NO. MD 655.40.
- USE EXISTING CONDUIT.
- INSTALL 3" PVC SCHEDULE 80 CONDUIT - TRENCHED.
- USE EXISTING CONTROLLER CABINET.
- USE EXISTING HANDHOLE.
- INSTALL 12" HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS.
- INSTALL 24" HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS.
- DEPRESS 6' OF MEDIAN NOSE. REMOVE EXISTING GROUND MOUNTED R4-7 SIGN AND SUPPORTS. INSTALL NEW R4-7 SIGN ON NEW 4"x4" WOOD SIGN SUPPORT 3' FROM NEW MEDIAN NOSE.
- REMOVE EXISTING PAVEMENT MARKINGS.
- INSTALL NEAR SIDE LED SIGNAL HEAD ON EXISTING MAST ARM.
- INSTALL 5" CONCRETE SIDEWALK.
- DISCONNECT AND ABANDON EXISTING LOOP DETECTORS.
- REMOVE EXISTING HANDHOLE. CAP AND ABANDON EXISTING CONDUIT.

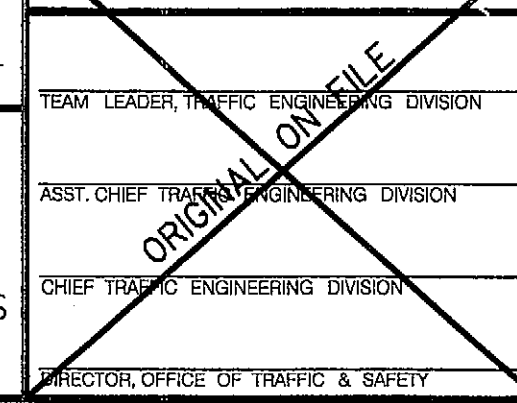
GENERAL NOTES

- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS. TO MEET CLEARANCES AS SPECIFIED IN MD STD. 816.03, MD STD. 818.01, MD 818.02, AND MD STD. 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL PROPOSED SIGNAL EQUIPMENT.
- PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" x 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
- LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
- PROPOSED SIGNAL EQUIPMENT SHALL BE INSTALLED PRIOR TO THE CONSTRUCTION OF THE SIDEWALK AND PEDESTRIAN RAMPS, AND THE INSTALLATION OF THE DETECTABLE WARNING SURFACE.

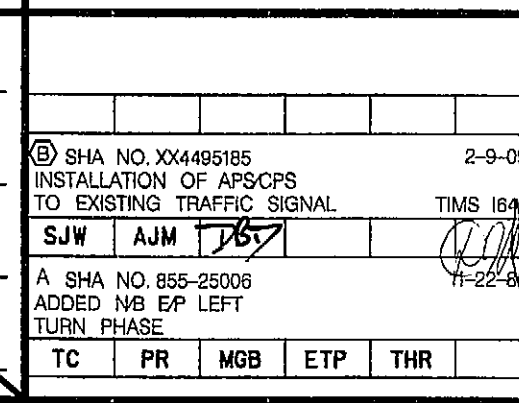
GEOMETRIC LEGEND



APPROVALS



REVISIONS



SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION	
MD 355 (ROCKVILLE PK) AT MD 911 (FIRST ST) EXTENDED ROCKVILLE, MARYLAND	
SIGNAL PLAN	
SCALE 1"=20'	DATE 10/9/1984 CONTRACT NO. M-466-501-385
DESIGNED BY E. SIMMERS	COUNTY MONTGOMERY
DRAWN BY E. SIMMERS	LOGMILE 15035508.79
CHECKED BY	T.I.M.S. NO. I-642
F.A.P. NO.	TOD NO. TS2021B
DRAWING NO. TS 2021 B	SHEET NO. 1 OF 2

mm CENTURY
ENGINEERING
CONSULTING ENGINEERS - PLANNERS
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TOD NO. XX49-24
SHA NO. MD020545/955
MD 355 @ MD 911